IN THE SPECIFICATION:

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

[0033] ~~Figs. 4 and 5 show~~ Fig. 4 shows a base station having a common high-frequency unit HF, HF', which is structured as described, for example, on the basis of Fig. 2 and Fig. 3~~,~~ ~~respectively~~. The base station additionally has a signal processing device. In the signal processing device two logically independent signal processing devices are emulated by dp programs. A first signal processing device comprises a first conversion unit ~~AD1,~~ AD1' for AD/DA conversion and first baseband processing ~~BB1,~~ BB1', a first control unit ~~ST1,~~ ST1' and a first interface unit ~~SS1,~~ SS1'. A second signal processing device comprises a second conversion unit ~~AD2,~~ AD2' for AD/DA conversion, a second baseband processing device ~~BB2,~~ BB2', a second control unit ~~ST2,~~ ST2', and a second interface unit ~~SS2,~~ SS2'. Moreover the generation or down-mixing of a high-frequency signal takes place in a mixer unit ~~MI,~~ MI' between AD/DA converter and high-frequency component. The logically split units are only generated using software. The dp programs run on the same hardware. The dp programs access independent databases which contain user-specific settings. The dp programs enable two mutually independent procedures for signal processing to be made available. The signals to be processed are assigned to the first signal processing device or the second signal processing device on the basis of the carrier frequency of the signal in question.

[0034] Fig. ~~6~~ 5 shows a radio communication system comprising a first core network CN A which communicates with a first radio network controller RNC A. The first radio network controller RNC A is controlled by a first operation and maintenance center OMC-R A. The first core network CN A, the first radio network controller RNC A and the first operation and maintenance center OMC-R A form a functional unit A which is controlled by a first operator A. The radio communication system has a further core network CN B which communicates with a second radio network controller RNC B. The second radio network controller RNC B is controlled by a second operation and maintenance center OMC-R B. The second core network CN B, the second radio network controller RNC B and the second operation and maintenance center OMC-R B form a functional unit B which is controlled by a second operator B.